

Bar Chart of Programming Language Popularity

Aim

To create a Python program that displays a bar chart showing the popularity of programming languages.

Algorithm

1. Import the necessary libraries (matplotlib.pyplot)
2. Define the data for programming languages and their popularity
3. Create a figure and axis object
4. Create a bar chart using plt.bar()
5. Set the title and labels for the chart
6. Display the chart

Code

```
import matplotlib.pyplot as plt

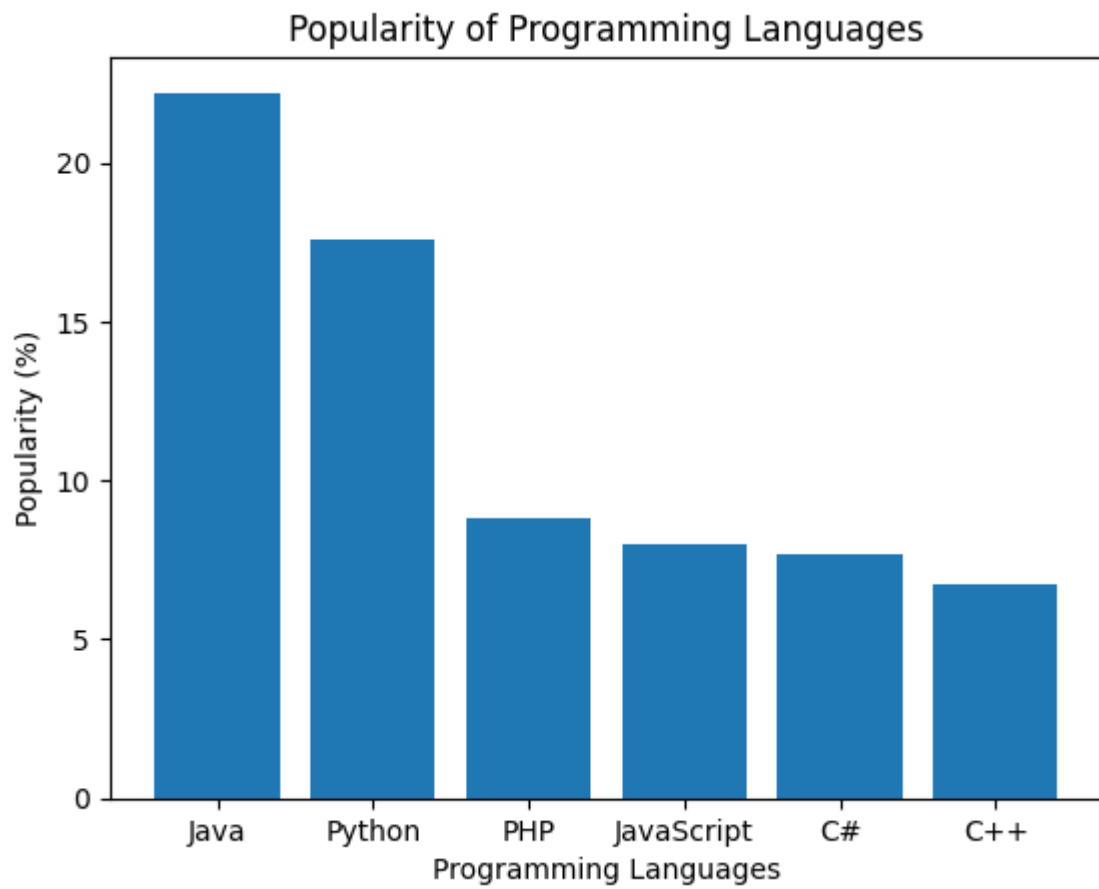
languages = ['Java', 'Python', 'PHP', 'JavaScript', 'C#', 'C++']
popularity = [22.2, 17.6, 8.8, 8, 7.7, 6.7]

fig, ax = plt.subplots()
ax.bar(languages, popularity)

ax.set_title('Popularity of Programming Languages')
ax.set_xlabel('Programming Languages')
ax.set_ylabel('Popularity (%)')

plt.show()
```

Output



Result

The program successfully creates and displays a bar chart showing the popularity of various programming languages. Each bar represents a programming language, with its height indicating the language's popularity percentage. The chart provides a clear visual comparison of the relative popularity of different programming languages.